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Date: OCTOBER 17, 1993

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Subject: Enterprise Oil Removal Action, Detroit, MI

Latitude: 42 23' 47" Longitude: 83 07' 28"

Polrep No.: 19th and Final

Site ID: PG Delivery Order No.: 5001-05-319

Response Authority: CERCLA NPL Status: Non-NPL

Start Date: June 16, 1992

Completion Date: October 1, 1993

#### 1. Situation:

- A. This pollution report serves to clarify the start and completion dates of the Fund lead removal action (RV2), which was discussed in polreps dated August 26, and August 31, 1993, identified as polrep 1-Phase II, and polrep RV2-1, respectively; and also the September 14, 1993, polrep, identified as polrep RV3-1.
- B. Termination of previous ERCS IT corporation contract required issuance of a new delivery order to new ERCS contractor, Riedel Environmental Services (RES), in order to continue federal removal actions. This D.O. was to initiate sampling activities for a bench scale treatability study to determine if on-site soil contamination could be remediated thru bio-remediation. See polrep dated 8/26/93 for further details.
- C. Federal lead removal activities were completed on October 1, 1993, when the bench scale treatability study final report was received by the OSC, thus completing all requirements under the D.O.. Therefore: fund lead (RV2) removal action dates are as follows:

Start Date: June 16, 1992

Completion Date: October 1, 1993

#### 2. ACTIONS TAKEN:

- A. Verbal analytical results of the sample collected from the standing oil/sludge, solidified on 8/20/93, were received 8/31/93. Results indicated the material was non-hazardous.
- B. Upon receipt of the oil/sludge sample results, the material was profiled to Browning-Ferris Industries (BFI) for disposal.

Acceptance was granted on 9/16/93, for direct landfill burial at BFI's Arbor Hills, MI sanitary landfill.

- C. On 9/24/93, 30 cu yds of solidified oil/sludge was transported by Young Environmental to BFI for landfilling. On 9/28/93, the remaining 30 yds were transported by Young to BFI for disposal. This completed all disposal activities during the removal phase of the project. The site was then secured to deter access pending any further site remediation.
- D. The final report for the treatability study was submitted by RES to the OSC on October 1, 1993. The report concluded that most of the analyzed compounds were reduced below MDNR Selected Type B Cleanup Criteria; however, at the end of the 43 day study, xylene was detected in some of the samples and total petroleum hydrocarbons (TPH) were only reduced to 310 ppm. The MDNR cleanup standard for TPH is 100 ppm.

### 3. PLANS:

- A. Proceed with non-time critical removal action to address hydrocarbon contaminated soil remaining at the site. This will require an engineering Evaluation/Cost Analysis (EE/CA) to be completed prior to any remedy being implemented. It may be possible to include as a SACM project or integrated assessment.

### 4. KEY ISSUES:

- A. Bench scale treatability study does not conclusively prove that bio-remediation is the most effective method remediation of remaining contaminated soil. TPH levels dropped very slowly after day 29, and cleanup standards (100ppm) were not achieved after 43 days (310 ppm). Since only low levels of hydrocarbon contamination remain in the site soil, remediation should be addressed as a time critical removal.

### 5. STATUS:

- A. Case closed.
- B. Estimated costs; corrected as of this date:

	BUDGETED	TOTAL TO DATE
ERCS	\$1,200,000	\$ 983,751.46 *
TAT	342,000	141,474.58 **
EPA	163,400	25,970.00 ***
TOTALS	\$1,705,400	\$1,151,196.04

- \* ERCS costs include costs incurred under IT Corp delivery Order No.: 7640-05-232, totaling \$935,951.15; and costs incurred under RES Delivery Order No.: 5001-05-319, from 1900-55, dated 10/17/93, totaling \$47,800.31.
- \*\* Includes costs incurred thru 1/29/94, as stated from the TAT regional RORIS report. Total includes multiplier.
- \*\*\* Costs only thru 1/9/93.